





QY 550 ATGATTTACAGGGCCCTCGGCTGACCTGGCTGTGTTAACTTCCGCTGCTGTGTTTC 609  
|||||  
Db 1 ATGATTTACAGGGCCCTCGGCTGACCTGGCTGTGTTAACTTCCGCTGCTGTGTTTC 60  
|||||  
QY 610 CAGGTACAGGTGCTGGCTTGGCCGAGAGAAAGTGGACTTCCGATCCACGCTGGAGAACGAG 609  
|||||

RESULT 4  
US-09-820-596-4  
: Sequence 4, Application US/09820596  
: Publication No. US2003002210A1  
: GENERAL INFORMATION:  
: APPLICANT: Khodadoust, Mehran Mohammad

;; TITLE OF INVENTION: NOVEL FIBROBLAST GROWTH FACTORS AND  
;; THERAPEUTIC AND DIAGNOSTIC USES THEREFOR  
;; NUMBER OF SEQUENCES: 18  
;; CORRESPONDENCE ADDRESS:  
;; ADDRESSEE: FOLEY, HOAG & ELIOT LLP  
;; STREET: One Post Office Square  
;; CITY: Boston  
;; STATE: MA  
;; COUNTRY: USA  
;; ZIP: 02109-2170  
;; COMPUTER READABLE FORM:  
;; MEDIUM TYPE: Floppy disk  
;; COMPUTER: IBM PC compatible  
;; OPERATING SYSTEM: PC-DOS/MS-DOS  
;; SOFTWARE: PatentIn Release #1.0, Version #1.30  
;; CURRENT APPLICATION DATA:  
;; APPLICATION NUMBER: US/09/820,596  
;; FILING DATE: 29-Mar-2001  
;; PRIORITY APPLICATION NUMBER: 09/036,594  
;; FILING DATE: <Unknown>  
;; ATTORNEY/AGENT INFORMATION:  
;; NAME: Arnold E., Beth  
;; REGISTRATION NUMBER: 35,430  
;; REFERENCE/DOCKET NUMBER: MIA-026.01  
;; TELECOMMUNICATION INFORMATION:  
;; TELEPHONE: 617-832-1000  
;; TELEFAX: 617-832-7000  
;; INFORMATION FOR SEQ ID NO: 4:  
;; SEQUENCE CHARACTERISTICS:  
;; LENGTH: 903 base pairs  
;; TYPE: nucleic acid  
;; STRANDEDNESS: single  
;; TOPOLOGY: linear  
;; MOLECULE TYPE: cDNA  
;; FEATURE:  
;; NAME/KEY: CDS  
;; LOCATION: 2..622  
;; SEQUENCE DESCRIPTION: SEQ ID NO: 4:  
US-09-820-596-4  
  
Query Match 44.3%; Score 695; DB 9; Length 903;  
Best Local Similarity 87.0%; Pred. No. 3.3e-158;  
Matches 810; Conservative 0; Mismatches 90; Indels 31; Gaps 3;  
  
QY 549 GATGATTAGGCGCCCTCCGCTGCACTTGCCTGTGTACACTTCTGCTGTGCTT 608  
DB 1 GATGATTAGGCGCCCTCCGCTGCACTTGCCTGTGTACACTTCTGCTGTGCTT 60  
QY 609 CCAGTACAGTGTGTGTGCGGAGAGAGAGTGGACTTCCGCATCCACGTGAGAACCA 668  
DB 61 CCAGTTCAGGTGTGCGAGAGAGAGATGTGACTTCCGCATCCACGTGAGAACCA 120  
QY 669 GACGGGGGCTCGGAGCATGTAGCGTAAAGCGGTGACAGCGGCTACCACTCTACAGCGG 728  
DB 121 GACGGGGGCTCGAGATGATGTAGTCGGAAGCACTGCGCTGTACCACTCTATAGCAG 180  
QY 729 GACCAAGTGGAAACATCCAGTCTTGCGCGCAGAGATCACTGCGCGGAGAGATG 788  
DB 181 GACCAAGTGGAAACATCCAGTCTTGCGCGGTAGATCACTGCGCGGAGAGATG 240  
QY 789 GACCAAGTATGCCAGCTCTTGTGTGAGACAGACACTTGGTAGTCAAGTCCGATCAA 848  
DB 241 GACCAAGTATGCCAGCTCTTGTGTGAGACAGATCACTTGGTAGTCAAGTCCGATCAA 300  
QY 849 GGGCAAGGAGAGCAATCTACCTGTGATGTAACCGCAAGCAAGCACTGTGGGAAGCC 908  
DB 301 GGGCAAGGAGAGCAATCTACCTGTGTGTGAACCGCAAGCAAGCTGTGGGAAGCC 360  
QY 909 CGATGGACCAAGCAAGAGTGTGTTCATCGAAGAGTTCTGAGAACTATACAGCCG 968  
DB 361 TGATGTACTACCAAGAGTGTGTTCATTCAGAAAGTTCTGAGAACTATACAGCCG 420

QY 969 CCTGATGTGCGTAAAGTACTCCGCTGTGTACTGTGGGCTTCACCAAGAGGGCGCCGCG 1028  
DB 421 CCTGATGTGTGCCAAGTACTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGT 480  
QY 1029 GAAGGGCCCCAAGACCCGGGAGAACAGCAGCGTGCATTTATGTAAGCGCTACCCCA 1088  
DB 481 CAAGGGTCCCAAGACCCGGGAGAACAGCAAGATGTACACTTCATGTAAGCGTTACCCCA 540  
QY 1089 GGGCAGCGCGAGCTTCAGAAAGCCCTTCAAGTACAGAGAGGTGACCAAGAGTCCGCTG 1148  
DB 541 GGGCAGAGCGCGAGCTTCAGAAAGCCCTTCAAGTACAGAGAGTACCAAGAGTCCGCTG 600  
QY 1149 GATCCGCGCCACACACCTGTGCTAGGCCACCCCGCGCGCCCTTCAGGTCCGCTGCGC 1208  
DB 601 GATCCGCGCCACACACCTGTGCTAGGCCACCCCGCGCGCCCTTCAGGTCCGCTGCGC 633  
QY 1209 ACATCTATTTTGTACATTTGTGTAAAGAACACAAACCTGAACCAACTCTTGCGG 1268  
DB 634 ACATCTATTTTGTACATTTGTGTAAAGAACACAAACCTGAACCAACTCTTGCGG 693  
QY 1269 AGCTATTTTGTACATTTGTGTAAAGAACACAAACCTGAACCAACTCTTGCGG 1328  
DB 694 ATCTCTATTTTGTACATTTGTGTAAAGAACACAAACCTGAACCAACTCTTGCGG 753  
QY 1329 GGAAGGGGTATAGATTTTATTTGTGACTGAAACCCCGATGACAAAGACTCAGCA 1388  
DB 754 GGAAGGGGTATAGATTTTATTTGTGACTGAAACCCCGATGACAAAGACTCAGCA 809  
QY 1389 AAGGACCTGTAGTCAACCCAGAGTGTGTCTCTCTAGAACAGACACTTAACT 1448  
DB 810 AAGGACCTGTGTCAACCCAGAGTGTGTCTCTCTCTCTCTCTCTCTCTCTCTCTCTCTCT 869  
QY 1449 CTTCCCAAGAGAGAGCACTGTAATGAGAGAA 1479  
DB 870 CATCCCAAGAGAGAGCACTGTAATGAGAGAA 900  
  
RESULT 5  
US-09-820-596-3  
; Sequence 3, Application US/09820596  
; Publication No. US20030022170A1  
; GENERAL INFORMATION:  
; APPLICANT: Knodadoust, Mehruan Mohammad  
; TITLE OF INVENTION: NOVEL FIBROBLAST GROWTH FACTORS AND  
; THERAPEUTIC AND DIAGNOSTIC USES THEREFOR  
; NUMBER OF SEQUENCES: 18  
; CORRESPONDENCE ADDRESS:  
; ADDRESSEE: FOLEY, HOAG & ELIOT LLP  
; STREET: One Post Office Square  
; CITY: Boston  
; STATE: MA  
; COUNTRY: USA  
; ZIP: 02109-2170  
; COMPUTER READABLE FORM:  
; MEDIUM TYPE: Floppy disk  
; COMPUTER: IBM PC compatible  
; OPERATING SYSTEM: PC-DOS/MS-DOS  
; SOFTWARE: PatentIn Release #1.0, Version #1.30  
; CURRENT APPLICATION DATA:  
; APPLICATION NUMBER: US/09/820,596  
; FILING DATE: 29-Mar-2001  
; PRIORITY APPLICATION NUMBER:  
; APPLICATION NUMBER: 09/036,594  
; FILING DATE: <Unknown>  
; ATTORNEY/AGENT INFORMATION:  
; NAME: Arnold E., Beth  
; REGISTRATION NUMBER: 35,430  
; REFERENCE/DOCKET NUMBER: MIA-026.01  
; TELECOMMUNICATION INFORMATION:  
; TELEPHONE: 617-832-1000  
; TELEFAX: 617-832-7000  
; INFORMATION FOR SEQ ID NO: 3:  
; SEQUENCE CHARACTERISTICS:



Db 601 ATCCGCCCACTACCCGGC 621

## RESULT 7

US-10-081-347-6  
; Sequence 6, Application US/10081347  
; Publication No. US2003008351A1  
; GENERAL INFORMATION:  
; APPLICANT: Deisher, Theresa A.  
; APPLICANT: Conklin, Darrell C.  
; APPLICANT: Raymond, Penella  
; APPLICANT: Bukowski, Thomas R.  
; APPLICANT: Holderman, Susan D.  
; APPLICANT: Hansen, Birgit  
; APPLICANT: Sheppard, Paul O.  
; TITLE OF INVENTION: NOVEL FGF HOMOLOGS  
; FILE REFERENCE: 96-20C1  
; CURRENT APPLICATION NUMBER: US/10/081,347  
; CURRENT FILING DATE: 2002-02-21  
; PRIOR APPLICATION NUMBER: US/09/229,947  
; PRIOR FILING DATE: 1999-01-13  
; NUMBER OF SEQ ID NOS: 43  
; SOFTWARE: FastSeq for Windows Version 3.0  
; SEQ ID NO 6  
; LENGTH: 621  
; TYPE: DNA  
; ORGANISM: Artificial Sequence  
; FEATURE:  
; OTHER INFORMATION: degenerate sequence  
; FEATURE:  
; NAME/KEY: variation  
; LOCATION: (1)...(621)  
; OTHER INFORMATION: n is any nucleotide  
US-10-081-347-6

Query Match 28.5%; Score 447; DB 9; Length 621;

Best Local Similarity 58.1%; Pred. No. 2e-98;  
Matches 360; Conservative 151; Mismatches 109; Indels 0; Gaps 0;

QY 550 ATGATATTCAGCCCTCCCTGCACTTGCCTGTTTACCTGCTGCTGCTGCTTC 609  
DB 1 AGTATWMSGNCNMNMCNCTGYACNTGYTNTGTCATTTTNTNTNTNTGTTT 60  
QY 610 CAGGTACAGTCTGGTGGCCGAGAGAACGTGGAATCCGATCCACGTGAGAACCG 669  
DB 61 CAGTNCARGTNTGTCNCARBARAYGTNGATTTGNAHTGAYTNCARBARCAR 120  
QY 670 ACCCGGCTCGGAGATGTAGCCGTAAAGCAGTGGCTGTACCACTTACAGCCGG 729  
DB 121 ACNMGSCMNGAYGAYGTNMSNMNARCARNTMNGYTATCARNTNTAYWSMGN 180  
QY 730 ACCATGGGAACACATCCAGTCTGGCCGAGATCATCGCCCGGCGAGGATGG 789  
DB 181 ACNMGNGMAACATATHARNTNTNGNMGMAHTHWSGCMNGNGNARARATG 240  
QY 790 GACAAGTATCCCACTCTAGTGAAGACACCTTCGATGATCAAGTCCGATCAAG 849  
DB 241 GAYARATYAGCARTYNTGTCNGARACNGAYACNTTYGWSMNCARCTNMGNTHAR 300  
QY 850 GGCAAGGAGACGGAATTCACCTGTGATGAACCCGAAAGCAACTGTGGGGAAGCC 909  
DB 301 GGNARAGAACGARTTAYTNTGTYGAAVMNARAGNARNTGNTGNAARCCN 360  
QY 910 GATGACACGACGAGAGTGTGTTTCATCGAGAGGTTCTGGAGAACAACTACAGGCC 969  
DB 361 GAYGNACMWSMAAGARTGTNTTATHGAAARNGTNTGARAATAYACNCGN 420  
QY 970 CTGATGTGGCTAGTACTCCGCTGTAGCTGTGGCTTACCAAGAGAGGGCGCGCG 1029  
DB 421 YTNATGWSNGCAARTATYWSNGNTGTATYGTNGNTTYACAAARAAAGNNGNCGN 480  
QY 1030 AAGGCCCCAAGACCCGGGAGAACGAGACGTGATTTTCATGAGCGCTACCCCAAG 1089

Db 481 AARGNCCNAARCMNMGNARARAYGTTCATTTATGAAARNGNTAYCCNAR 540  
QY 1090 GGGCAGCCGGAGTTGAGAAGCCCTCAAGTACAGACGAGTGACCAAGAGTCCGTCG 1149  
DB 541 GGNARCCNGARTTNCARARARCCNTTYAARTYACNACNGTACNARARNGNMGN 600  
QY 1150 ATCCGGCCCAACACACCCCTGC 1169  
DB 601 ATHTMGNCNACNCAVCCNCG 620

## RESULT 8

US-09-918-995-28417  
; Sequence 28417, Application US/09918995  
; Publication No. US20030073623A1  
; GENERAL INFORMATION:  
; APPLICANT: HySeq, Inc.  
; TITLE OF INVENTION: NOVEL NUCLEIC ACID SEQUENCES OBTAINED  
; FROM VARIOUS CDNA LIBRARIES  
; FILE REFERENCE: 20411-756  
; CURRENT APPLICATION NUMBER: US/09/918,995  
; CURRENT FILING DATE: 2001-07-30  
; PRIOR APPLICATION NUMBER: US/09/235,076  
; PRIOR FILING DATE: 1999-01-20  
; NUMBER OF SEQ ID NOS: 38054  
; SOFTWARE: FastSeq for Windows Version 3.0  
; SEQ ID NO 28417  
; LENGTH: 459  
; TYPE: DNA  
; ORGANISM: Homo sapiens  
; FEATURE:  
; NAME/KEY: misc-feature  
; LOCATION: (1)...(459)  
; OTHER INFORMATION: n = A,T,C or G  
US-09-918-995-28417

Query Match 26.3%; Score 412.2; DB 9; Length 459;

Best Local Similarity 99.3%; Pred. No. 4.6e-90;  
Matches 414; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

QY 1084 CCCAAGGGGACCCGAGCTTCAGAAAGCCCTTCAAGTACAGAGCGGTACCAAGAGTCC 1143  
DB 43 CCCAGGGGACCCGAGCTTCAGAAAGCCCTTCAAGTACAGAGCTGACCAAGAGTCC 102  
QY 1144 CGTCGATCCGGCCACACACACCTGCTAGGCCACCCGCGGCGCTCAGGTGCGCC 1203  
DB 103 CGTCGATCCGGCCACACACACCTGCTAGGCCACCCGCGGCGCTCAGGTGCGCC 162  
QY 1204 TGGCCACACTCACTCCAGAAAACCTCATCAGAGAATATTTTACATGAAAAATAG 1263  
DB 163 TGGCCACACTCACTCCAGAAAACCTCATCAGAGAATATTTTACATGAAAAATAG 222  
QY 1264 GAAAGAGCTATTTTGTACATTTGTGTTTAAAGAACAAAACTAACCAAAACCT 1323  
DB 223 GAAAGAGCTATTTTGTACATTTGTGTTTAAAGAACAAAACTAACCAAAACCT 282  
QY 1324 TGGGGGAGGGGTGATTAAGATTTTATGTGACTTGAACCCCGATGACAAAAGACTC 1383  
DB 283 TGGGGGAGGGGTGATTAAGATTTTATTTGACTTGAACCCCGATGACAAAAGACTC 342  
QY 1384 ACGCAAGGAGCTGTAGTCAACCCACAGAGTCTGTCTCTGTAGAAACAGACACTCT 1443  
DB 343 ACGCAAGGAGCTGTAGTCAACCCACAGAGTCTGTCTCTGTAGAAACAGACACTCT 402  
QY 1444 AAATCTGCTCCCAAGAGAGGACTTGAATGAGAAACCAACTTTTGAAGCCAAAG 1500  
DB 403 AAATCTGCTCCCAAGAGAGGACTTGAATGAGAAACCAACTTTTGAAGCCAAAG 459

## RESULT 9

US-09-820-596-15  
; Sequence 15, Application US/09820596

Publication No. US20030022170A1  
GENERAL INFORMATION:  
APPLICANT: Khodadoust, Mehran Mohammad  
TITLE OF INVENTION: NOVEL FIBROBLAST GROWTH FACTORS AND  
THERAPEUTIC AND DIAGNOSTIC USES THEREFOR  
NUMBER OF SEQUENCES: 18  
CORRESPONDENCE ADDRESS:  
ADDRESSEE: FOLEY, HOAG & ELLIOT LLP  
STREET: One Post Office Square  
CITY: Boston  
STATE: MA  
COUNTRY: USA  
ZIP: 02109-2170  
COMPUTER READABLE FORM:  
MEDIUM TYPE: Floppy disk  
COMPUTER: IBM PC compatible  
OPERATING SYSTEM: PC-DOS/MS-DOS  
SOFTWARE: PatentIn Release #1.0, Version #1.30  
CURRENT APPLICATION DATA:  
APPLICATION NUMBER: US/09/820,596  
FILING DATE: 29-Mar-2001  
PRIOR APPLICATION DATA:  
APPLICATION NUMBER: 09/036,594  
FILING DATE: <Unknown>  
ATTORNEY/AGENT INFORMATION:  
NAME: Arnold E., Beth  
REGISTRATION NUMBER: 35,430  
REFERENCE/DOCKET NUMBER: MIA-026.01  
TELECOMMUNICATION INFORMATION:  
TELEPHONE: 617-832-1000  
TELEFAX: 617-832-7000  
INFORMATION FOR SEQ. ID NO: 15:  
SEQUENCE CHARACTERISTICS:  
LENGTH: 455 base pairs  
TYPE: nucleic acid  
STRANDEDNESS: single  
TOPOLOGY: linear  
MOLECULE TYPE: DNA  
SEQUENCE DESCRIPTION: SEQ ID NO: 15:  
US-09-820-596-15

Query Match 26.1%; Score 409.8; DB 9; Length 455;  
Best Local Similarity 98.9%; Pred. No. 1,7e-89;  
Matches 444; Conservative 0; Mismatches 2; Indels 3; Gaps 3;

QY 1075 AAGGCTACCCCAAGGGGACCGGAGCTTCAAGAGCCCTTCAAGTACACGAGGTGACC 1134  
DB 1 AAGGCTACCCCAAGGGGACCGGAGCTTCAAGAGCCCTTCAAGTACACGAGGTGACC 60

QY 1135 AAGAGTCCCGTGGATCCGGCCACACACCCCTGCTAGGCCACCCCGCGGCCCTC 1194  
DB 61 AAGAGTCCCGTGGATCCGGCCACACACCCCTGCTAGGCCACCCCGCGGCCCTC 120

QY 1195 AGGTGCGCCCTGGCCACACTACCTCCAGAAAATGCATCAGAGAAATATTTTACATG 1254  
DB 121 AGGTGCGCCCTGGCCACACTACCTCCAGAAAATGCATCAGAGAAATATTTTACATG 180

QY 1255 AAAAATAAGGAAGAGCTCTATTTTGTACATTGTGTTTAAAGAGCAAAAAGTGAAC 1314  
DB 181 AAAAATAAGGAAGAGCTCTATTTTGTACATTGTGTTTAAAGAGCAAAAAGTGAAC 240

QY 1315 CAAGAAGCTTGGGGGAGGAGGTGATTAAGATTATTTTACTTGAAGAACCCCGCA-TGA 1373  
DB 241 CAAGAAGCTTGGGGGAGGAGGTGATTAAGATTATTTTACTTGAAGAACCCCGATTGA 300

QY 1374 CAAGAAGCTAC-CGAAAGGAGCTGTAGTCAACCCACAGGTGC-TTGCTCTCTCTAGGA 1431  
DB 301 CAAGAAGCTACAGGCAAGGAGCTGTAGTCAACCCACAGGTGCTTGTCTCTAGGA 360

QY 1432 ACAGACAACTCTAAATCTGTCCCAAGAGAGAGACTTGATATAGAGAAACAACCTTTGAG 1491  
DB 361 ACAGACAACTCTAAATCTGTCCCAAGAGAGAGACTTGATATAGAGAAACAACCTTTGAG 420

QY 1492 AAGCCAAGTCTTTTCCCAAGGTTCT 1520  
DB 421 AAGCCAAGTCTTTTCCCAAGGTTCT 449

RESULT 10  
US-09-820-596-16  
Sequence 16, Application US/09820596  
Publication No. US20030022170A1  
GENERAL INFORMATION:  
APPLICANT: Khodadoust, Mehran Mohammad  
TITLE OF INVENTION: NOVEL FIBROBLAST GROWTH FACTORS AND  
THERAPEUTIC AND DIAGNOSTIC USES THEREFOR  
NUMBER OF SEQUENCES: 18  
CORRESPONDENCE ADDRESS:  
ADDRESSEE: FOLEY, HOAG & ELLIOT LLP  
STREET: One Post Office Square  
CITY: Boston  
STATE: MA  
COUNTRY: USA  
ZIP: 02109-2170  
COMPUTER READABLE FORM:  
MEDIUM TYPE: Floppy disk  
COMPUTER: IBM PC compatible  
OPERATING SYSTEM: PC-DOS/MS-DOS  
SOFTWARE: PatentIn Release #1.0, Version #1.30  
CURRENT APPLICATION DATA:  
APPLICATION NUMBER: US/09/820,596  
FILING DATE: 29-Mar-2001  
PRIOR APPLICATION DATA:  
APPLICATION NUMBER: 09/036,594  
FILING DATE: <Unknown>  
ATTORNEY/AGENT INFORMATION:  
NAME: Arnold E., Beth  
REGISTRATION NUMBER: 35,430  
REFERENCE/DOCKET NUMBER: MIA-026.01  
TELECOMMUNICATION INFORMATION:  
TELEPHONE: 617-832-1000  
TELEFAX: 617-832-7000  
INFORMATION FOR SEQ ID NO: 16:  
SEQUENCE CHARACTERISTICS:  
LENGTH: 390 base pairs  
TYPE: nucleic acid  
STRANDEDNESS: single  
TOPOLOGY: linear  
MOLECULE TYPE: DNA  
SEQUENCE DESCRIPTION: SEQ ID NO: 16:  
US-09-820-596-16

Query Match 22.5%; Score 354; DB 9; Length 390;  
Best Local Similarity 99.2%; Pred. No. 4.8e-76;  
Matches 387; Conservative 0; Mismatches 0; Indels 3; Gaps 3;

QY 1075 AAGGCTACCCCAAGGGGACCGGAGCTTCAAGAGCCCTTCAAGTACACGAGGTGACC 1134  
DB 1 AAGGCTACCCCAAGGGGACCGGAGCTTCAAGAGCCCTTCAAGTACACGAGGTGACC 59

QY 1135 AAGAGTCCCGTGGATCCGGCCACACACCCCTGCTAGGCCACCCCGCGGCCCTC 1194  
DB 60 AAGAGTCCCGTGGATCCGGCCACACACCCCTGCTAGGCCACCCCGCGGCCCTC 119

QY 1195 AGGTGCGCCCTGGCCACACTACCTCCAGAAAATGCATCAGAGAAATATTTTACATG 1254  
DB 120 AGGTGCGCCCTGGCCACACTACCTCCAGAAAATGCATCAGAGAAATATTTTACATG 179

QY 1255 AAAAATAAGGAAGAGCTCTATTTTGTACATTGTGTTTAAAGAGCAAAAAGTGAAC 1314  
DB 180 AAAAATAAGGAAGAGCTCTATTTTGTACATTGTGTTTAAAGAGCAAAAAGTGAAC 239

QY 1315 CAAGAAGCTTGGGGGAGGAGGTGATTAAGATTATTTTACTTGAAGAACCCCGCA-TGA 1373  
DB 240 CAAGAAGCTTGGGGGAGGAGGTGATTAAGATTATTTTACTTGAAGAACCCCGCATGGA 299







1405 CCCACAGGCTGTGTCTCTCTAGAGACAGACACTCTAACTCGTCCCGAGAGAGGA 1464  
113 CCCACAGGCTGTGTCTCTCTCTAGAGACAGACACTCTAACTCGTCCCGAGAGAGGA 54  
1465 CTTGAATGAGAAACCAACACTTTGAGAGCAAAAGTCTTTTCCCAAAGGT 1517  
53 CTTGAATGAGAAACCAACACTTTGAGAAACAAAGTCTTTTCCCAAAGGT 1

## RESULT 13

US-09-749-728B-64  
; Sequence 64, Application US/09749728B  
; Patent No. US20020142457A1  
; GENERAL INFORMATION:  
; APPLICANT: Umezawa, Akihito  
; APPLICANT: Hata, Jun-ichi  
; APPLICANT: Fukuda, Keiichi  
; APPLICANT: Ogawa, Satoshi  
; APPLICANT: Sakurada, Kazuhiro  
; APPLICANT: Gojo, Satoshi  
; APPLICANT: Yamada, Yoichi  
; TITLE OF INVENTION: THE CELL HAVING THE POTENTIALITY OF DIFFERENTIATION INTO CARDIOMY  
; FILE REFERENCE: 00766.000043  
; CURRENT APPLICATION NUMBER: US/09/749,728B  
; PRIOR FILING DATE: 2001-09-17  
; PRIOR APPLICATION NUMBER: H11-372826  
; PRIOR FILING DATE: 1999-12-28  
; PRIOR APPLICATION NUMBER: PCT-JP00-01148  
; PRIOR FILING DATE: 2000-02-28  
; PRIOR APPLICATION NUMBER: PCT-JP00-07741  
; PRIOR FILING DATE: 2000-11-02  
; NUMBER OF SEQ ID NOS: 80  
; SOFTWARE: PatentIn Ver.2.0  
; SEQ ID NO 64  
; LENGTH: 645  
; TYPE: DNA  
; ORGANISM: Homo sapiens  
; FEATURE:  
; NAME/KEY: CDS  
; OTHER INFORMATION: (1)..(648)  
US-09-749-728B-64

Query Match 13.9%; Score 218.4; DB 10; Length 645;  
Best Local Similarity 65.4%; Pred. No. 3.1e-43;  
Matches 353; Conservative 0; Mismatches 181; Indels 6; Gaps 2;

560 CGCCCTCCGCTGCACTTGCCTGTGTTACACTTCTGTGCTGTGCTTCCAGGTACAGG 619  
11 CCCGCTCCGCTGAGAGCTGCTGTGTTGCACTTGTGCTGTGCTTCCAGG 70  
620 TGTGCTGTGCGGAGAAAGTGACTTCGCGATCCAGCGTGGAGAACCAACGCGGGCTC 679  
71 TAACTGTT--CACTCTCACTTAATTTTACACAGCATGTGAGGACCAAGCCTTGATGA 127  
680 GGGACAGTGTGAGCCGTAACAGCTGCGCTGTACAGCTCTACAGCGGAGCCAGTGGGA 739  
128 CGATGACGTCTACGCGCGCGCTCATCCGACCTACCACTCTACAGCGGAGCCAGCGGGA 187  
740 AACACATCCAGGTCTGGGCGCA--GATCACTGCGCGCGGAGGAGATGGGACAAGT 796  
188 AGCAGCTGACGCTCTGGGCAACAAAGGCAATCAAGCCATGCGAGAGAGGAGACCCCT 247  
797 ATGCCACGCTCTAGTGGAGACAGACACCTTCGGTATCAAGTCCGATCAAGGGCAAG 856  
248 TCCGAAAGCTCATGTGGAGACGACACCTTTGGAAGCAGAGTTGATCGAGAGACCG 307  
857 AGACGGAATCTCACTGTGATGAACCGCAAGGCAAGCTGTGGGAGACCGCATGGCA 916  
308 AGAGGGCCCTTCACTATCTGATGATGAACAAGAGGAGAGTGTATCGCAAGAGCAAGGCA 367  
917 CCAGCAAGAGAGTGTGTCTATCATGAGAGGTTCTGGAACAACATACAGCGCCCTGATGT 976  
368 AAGGCAAGAGAGTGTGTCTATCATGAGAGTGTGTGAGAACACTACACAGCGCTGAGA 427

977 CGGCTAAGTACTCCGCGCTGATGAGTGGCTTCACCAAGAGGCGCGCGGAGAGGCC 1036  
428 ATGCCAAGTACGAGGCGTGGTATGATGCTTACCCGCAAGGCGCGCGCGGAGAGGCC 487  
1037 CCAAGACCGCGGAGACGACGAGAGCGTGCATTTTCATGAGCGGTACCCCAAGGAGCG 1096  
488 CCAAGACCGCGGAGACGACGAGTGCATTTTCATGAGAGCGGTGCGCGCGGAGAGGCC 547

## RESULT 14

US-10-035-895-1  
; Sequence 1, Application US/10035895  
; Patent No. US20020161325A1  
; GENERAL INFORMATION:  
; APPLICANT: Hansmann, Douglas  
; TITLE OF INVENTION: Ultrasound Catheter for Improving Blood Flow to the  
; FILE REFERENCE: 17515-789  
; CURRENT APPLICATION NUMBER: US/10/035,895  
; CURRENT FILING DATE: 2001-11-06  
; PRIOR APPLICATION NUMBER: US/09/160,221A  
; PRIOR FILING DATE: 1998-09-24  
; NUMBER OF SEQ ID NOS: 14  
; SOFTWARE: PatentIn version 3.0  
; SEQ ID NO 1  
; LENGTH: 640  
; TYPE: DNA  
; ORGANISM: Homo sapiens  
US-10-035-895-1

Query Match 13.9%; Score 217.8; DB 9; Length 640;  
Best Local Similarity 60.5%; Pred. No. 4.3e-43;  
Matches 376; Conservative 0; Mismatches 242; Indels 3; Gaps 1;

580 CTGTGTTTACACTTCTCTGCTGTGCTTCCAGGTACAGTGTGTTGCCGAGAGAAC 639  
23 CTGTGTTTACAGCTGCTGATCTCTGCTGCTCAACTACAGGGGAGAAAT---CACCCGCT 79  
640 GTGACTTCCGATCCAGCTGAGAGACCAAGCGCGGCTCGGAGCATGTGAGCCGTAA 699  
80 CTTAATTTTAACTGATGAGGAGACCAAGCGCGCATGACAGCAGCTGAGCAGCGCG 139  
700 CAGTGGGCGGTACCGCTCTACAGCGGACCGAGTGGGAAACATCCAGTCTCTGGCG 759  
140 CAGATCCGCGATCACTTACAGAGACCAAGTGGCAAGCATGTCAGGTCCCGGG 199  
760 CGCAGATCACTGCTGCGCGCGGAGATGGGCAAGTATGCCAGCTCTCTAGTGGAGACA 819  
200 CGTGCATCTCCGCGCGCGGAGAGCGCAACAAATTTGCCAAGCTCATGATGAGAGCG 259  
820 GACACTTCCGATCAAGTCCGATCAAGGCGCAAGGAGACGGAATTCATCTGTGATG 879  
260 GACACGTTTGGCAGCGCGGTTCCGATCAAGGCGCTGAGTGAAGTATCATCTGTATG 319  
880 AACCGCAAGGCAAGCTCTGCGGAGAGCCGATGGCAACCAAGAGTGTGTATC 939  
320 AACAAAGGGGCAAGCTCATCGGGAAGCCAGCGGGAAGCAAAAGTATGCTTTCACG 379  
940 GAGAAGTCTGTGGAACAACATACAGGCGCTGTATGTCCTAGTATCTCGGCTGATG 999  
380 GAGATGCTGTGGAACAACATATAGCGCTTCCAGAAAGCGCGGCAAGAGGCTGTGTC 439  
1000 GTGGGCTTCAACCAAGAGGCGCGCGGAGAGGCGCCCAAGACCGGAGAGACAGAG 1059  
440 ATGCTTTCACGCGGAGGCGCGCGCGCGCGCGCTTCCGACAGCCGCAAAACAGAGGC 499  
1060 GAGCTGATTTTCAAGAGCGGTACCCCAAGGCGGAGCGGAGCTTTCAGAAACCTTCAAG 1119  
500 GAGGCGCACTTATCAAGGCGCTTACCAAGGCGAGCTGCGCTTCCCAACACGCGAG 559  
1120 TACAGAGGAGTCAAGAGGTCCTGCTGATTCGCGGCCAACACACCTGCTTACGCAACC 1179

